

Summary of 2015 US Flight Cancellations Story

From my analysis, I found the following insights:

1. On 2015 in US, we can see that most cancellations occur in the Texas state (668).
2. The bar chart shows that the City with the most cancellations (454) is Chicago with Chicago O'Hare International Airport.
3. From the line plot we notice that in 2015, February is the month with the most cancellations (1,058) followed by January (605).

Story Version 1

<https://public.tableau.com/profile/corina.armasu#!/vizhome/2015FlightCancellationsStoryV1/StoryV1>

Design

For a better visualization of data, I plotted the flight cancellations by state as a map and also as a bar chart.

I added the filter by State, where from a Multiple values (dropdown) you can choose the state. Country and Cancelled flights are included in the tooltip.

I included 2 filters for Airport and City and also beside the default tooltip added by Tableau I included also the Airport name, so when you hover of the bar chart to see all the details.

For all visualizations, I used a proper color palette taking into consideration also people with colorblindness. Color is set to automatic, blue color.

Feedback

I received the following feedbacks:

1. "I think you set up the preview for tablet or mobile. Change it for PC. This way the view will widen and it will look more proportional.
Also, maybe create a dashboard with your visualizations. Good luck!"

2."First of all, congratulations for reaching this point. I think you should change the layout of your story to automatic or story to fit every screen on which it is displayed. In the first visualization, you can change the legend title to "Number of Flight Cancellations", in the 2nd one the title of your graph to "Number of Flight Cancellations by State" and in the last one the way the Month filter is displayed. Use some colors, not be monochromatic."

Document feedback and improvements

Define issues:

1. improper layout of visualizations
2. missing final dashboard with all visualizations
3. legend title from 1st visualization not representative
4. title of the graph "The sum of flight cancellation by state"
5. the way Month filter is displayed
6. monochromatic visualizations

Improvements:

After defining the issues from the feedbacks received, I made the following improvements of visualizations:

Design

1. changed the layout to automatic for all the dashboards and automatically the appearance of story also updated;
2. made a final dashboard with all visualizations, Dashboard 5, and included it in the story as a final conclusion;
3. changed the legend title from default "Count of Cancelled" to "Number of Flight Cancellations" from 1st visualization
4. changed the title of the graph from "The Sum of Cancellations By State" to "Number of Flight Cancellations by State"
5. changed the way the Month filter to be displayed as Floating and also for all the filters present in all the visualizations.
6. modified the blue color to orange color to the map.

Story Version 2

<https://public.tableau.com/profile/corina.armasu#!/vizhome/2015USFlightCancellationsStoryV2/StoryV2?publish=yes>